

July 28, 2003
Case No. PHB 34,367 (7790/175)
Serial No.: 09/616,635
Filed: July 26, 2000
Page 2

CLAIM AMENDMENTS

Claims 1-18 are currently pending in the application.

Please amend claim 1 as shown below.

The following listing of claims 1-18 will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A body-worn personal communications apparatus, comprising:

a physically-shortened electric antenna;

a transceiver connected to said physically-shortened electric antenna;

a microphone connected to said transceiver; and

a casing,

wherein said transceiver is disposed within said casing, and

wherein said physically-shortened electric antenna and said microphone are mounted on said casing, and

wherein said microphone is mounted on said physically-shortened antenna.

2. (Previously Amended) The apparatus of claim 1, wherein said physically-shortened electric antenna is a helical antenna.

3. (Previously Amended) The apparatus of claim 1, wherein said physically-shortened electric antenna is a meander-line antenna.

4. (Previously Amended) The apparatus of claim 1, wherein said physically-shortened electric antenna is mounted transversely to a plane through said casing.

July 28, 2003
Case No. PHB 34,367 (7790/175)
Serial No.: 09/616,635
Filed: July 26, 2000
Page 3

5. (Previously Amended) The apparatus of claim 1, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.

6. (Previously Amended) The apparatus of claim 5, wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connections between said microphone and said transceiver.

7. (Previously Amended) The apparatus of claim 5,
wherein said physically-shortened electric antenna is formed from a hollow wire,
wherein a first electrical connection between said microphone and said transceiver is provided by said hollow wire, and
wherein a second electrical connection between said microphone and said transceiver is provided by a conductor enclosed by said hollow wire.

8. (Previously Amended) The apparatus of claim 6, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.

9. (Previously Amended) The apparatus of claim 5, wherein said microphone provides a top loading to said physically-shortened electric antenna.

10. (Previously Added) A body-worn personal communications apparatus, comprising:
a casing;
a physically-shortened electric antenna mounted on said casing; and
a microphone mounted on said physically-shortened electric antenna.

July 28, 2003
Case No. PHB 34,367 (7790/175)
Serial No.: 09/616,635
Filed: July 26, 2000
Page 4

11. (Previously Added) The apparatus of claim 10, wherein said physically-shortened electric antenna is a helical antenna.
12. (Previously Added) The apparatus of claim 10, wherein said physically-shortened electric antenna is a meander-line antenna.
13. (Previously Added) The apparatus of claim 10, wherein said physically-shortened electric antenna is mounted transversely to a plane through said casing.
14. (Previously Added) The apparatus of claim 10, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.
15. (Previously Added) The apparatus of claim 10, further comprising:
a transceiver,
wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connections between said microphone and said transceiver.
16. (Previously Added) The apparatus of claim 15, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.

July 28, 2003
Case No. PHB 34,367 (7790/175)
Serial No.: 09/616,635
Filed: July 26, 2000
Page 5

17. (Previously Added) The apparatus of claim 10, further comprising:
a transceiver,
wherein said physically-shortened electric antenna is formed from a
hollow wire,
wherein a first electrical connection between said microphone and said
transceiver is provided by said hollow wire, and
wherein a second electrical connection between said microphone and said
transceiver is provided by a conductor enclosed by said hollow wire.

18 (Previously Added) The apparatus of claim 10, wherein said microphone
provides a top loading to said physically-shortened electric antenna.